

ACTA PÆDIATRICA SCANDINAVICA

VOL. 57. 1968

CHIEF EDITOR

R. Zetterström, Stockholm

CO-EDITORS

B. Vahlquist, Uppsala and B. Lindquist, Lund

HONORARY EDITOR

A. Wallgren, Stockholm

MANAGING EDITOR

C. G. Bergstrand, Malmö

Advisory Board

Andersen, H., Copenhagen	Räihä, C.-E., Helsinki
Braestrup, P. W., Hellerup	Seip, M., Oslo
Friis-Hansen, B., Copenhagen	Sjölin, S., Umeå
Hagberg, B., Uppsala	Sundal, A., Bergen
Hallman, N., Helsinki	Visser, H. K. A., Rotterdam
Halvorsen, S., Oslo	Wasz-Höckert, O., Oulu
Jonxis, J. H. P., Groningen	Weijers, H. A., Utrecht
Karlberg, P., Göteborg	

Almqvist & Wiksells Boktryckeri AB, Uppsala 1968



Contents

Original Articles

- Aarskog, D. and Hexeberg, A.: Actinomycin D and Transverse Lines of Growing Bones 463
- van Acker, K. J. and Hooft, C.: The Influence of Hormone Treatment on the Natural Evolution of the Idiopathic Nephrotic Syndrome in Childhood 479
- Andersen, V., Koch, C., Vejlsgaard, R. and Wilken-Jensen, K.: Fatal Granulomatous Disease 110
- Anderson, H. and Gomes, S. P.: Clinoccephaly. Considerations on the pathophysiology of craniosynostosis 294
- Berg, T.: Immunglobulin Levels in Infants with Low Birth Weights 369
- Berglund, G., Finnström, O., Johansson, S. G. O. and Möller, K. L.: Wiskott-Aldrich Syndrome. A Study of 6 Cases with Determination of the Immunoglobulins A, D, G M and ND 89
- Bergström T., Lincoln, K., Redin, B. and Winberg, J.: Studies of Urinary Tract Infections in Infancy and Childhood. X. Short or Long-term Treatment in Girls with First or Second-time Urinary tract Infections Uncomplicated by Obstructive Urological Abnormalities 186
- Blom, S. and Finnström, O.: Motor Conduction Velocities in Newborn Infants of Various Gestational Ages 377
- Boréus, L. O., Broberger, U., Nergårdh, A. and Zetterqvist, P.: Malignant Pheochromocytoma in a Child: Treatment with a Combination of Alpha- and Beta-Adrenergic Blockade 36
- Bratteby, L.-E.: Studies on Erythro-kinetics in Infancy. IX. Prediction of Red Cell Volume from Venous Haematocrit in Early Infancy 125
- Bratteby, L.-E.: Studies on Erythro-kinetics in Infancy. X. Red Cell Volume of Newborn Infants in relation to Gestational Age 132
- Bratteby, L. E.: Studies on Erythro-kinetics in Infancy. XI. The Change in Circulating Red Cell Volume During the First Five Months of Life 215
- Bratteby, L.-E., Garby, L. and Wadman, B.: Studies on Erythro-kinetics in Infancy. XII. Survival in Adult Recipients of Cord Blood Red Cells Labeled In Vitro With Di-isopropylfluoro-phosphonate ($DF^{32}P$) 305
- Bratteby, L.-E., Garby, L., Groth, T., Schneider, W. and Wadman, B.: Studies on Erythro-kinetics in Infancy. XIII. The mean life span and life span frequency function of red blood cells formed during foetal life 311
- Cascos, A. Sánchez: Dermatoglyphs in Congenital Heart Disease. A familial survey of 100 cases 9
- Eklblom, B. and Lundberg, A.: Effect of Physical Training on Adolescents with Severe Motor Handicaps 17
- Fällström, S. P. and Bjure, J.: Endogenous Formation of Carbon Monoxide in Newborn Infants. III. ABO Incompatibility 137
- Fällström, S. P.: Endogenous Formation of Carbon Monoxide in Newborn Infants. IV. On the Relation Between the Blood Carboxyhaemoglobin Concentration and the Pulmonary Elimination of Carbon Monoxide 321
- Fällström, S. P.: Endogenous Formation of Carbon Monoxide in Newborn Infants. V. On the Relation between the Carboxyhaemoglobin concentration in Blood and the Rate of Haemoglobin Catabolism 487
- Gelli, M. G., Enhörning, G., Hultman, E. and Bergström, J.: Glucose Infusion in the Pregnant Rabbit and its Effect on Glycogen Content and Activity of Foetal Heart under Anoxia 209
- Gelli, M. G., Ericsson, J. L. E. and Enhörning, G.: ECG Compared with Myocardial Ultrastructure in Anoxic Foetuses of Normal and Hyperglycaemic Rabbits 330
- Gilchrist, G. S., Fine, R. N. and Donnell, G. N.: The Hemostatic Defect in Glycogen Storage Disease, Type 1 205
- Grant, D. B.: Serum-Insulin Levels in Children during Glucose Tolerance Test 297
- Grausz, J. P.: The Effect of Environmental Temperature Changes on the Metabolic Rate of Newborn Babies 98
- Hagberg, B., Sourander, P. and Svennerholm, L.: Late Infantile Progressive Encephalopathy with Disturbed Poly-Unsaturated Fat Metabolism 495
- Harries, J. T. and Francis, D. E. M.: Temporary Monosaccharide Intolerance 505
- Hurwitz, L. K.: Chopra, J. S. and Carson, N. A. J.: Electromyographic Evidence of Muscle Lesion in Homocystinuria 401
- Kjellman, B.: Regional Lung Function Studied with ^{133}Xe and External Detectors (Radiospirometry) in Children without Cardio-Pulmonary Disease 527
- Köhlén, P. and Melin, K.: Hereditary Fructose Intolerance in Four Swedish Families 24
- Ladehoff, A.: Fibrinolytic Tissue Activity in the Urogenital Tract and the Adrenal Gland of Human Embryos and Newborn 500
- Launiala, K.: The Mechanism of Diarrhoea in Congenital Disaccharide Malabsorption 425
- Lenard, H.-G., von Bernuth, H. and Precht, H. F. R.: Reflexes and their Relationship to Behavioural State in the Newborn 177

- Lindblad, B. S. and Zetterström, R.: The Venous Plasma Free Amino Acid Levels of Mother and Child During Delivery. II. After Short Gestation and Gestation Complicated by Hypertension with Special Reference to the "Small-for-Dates" Syndrome 195
- Lindblad, B., Lindblad B. S., Olin, P., Svanberg, B. and Zetterström, R.: Methylmalonic Acidemia. A Disorder Associated with Acidosis, Hyperglycinemia and Hyperlactaemia 417
- Lunderquist, A., Nommesen, N., Rafstedt, S. and Akeson, B.-A.: Chryptorchidism 437
- Meeuwisse, G., Gamstorp, I. and Tryding, N.: Effect of Phenytoin on the Tryptophan Load Test 115
- Meeuwisse, G. W. and Dahlqvist, A.: Glucose-Galactose Malabsorption. A Study with Biopsy of the Small Intestinal Mucosa 273
- Melchior, J. C. and Clausen, J.: Metachromatic Leucodystrophy in Early Childhood. Treatment with a Diet Deficient in Vitamin A 2
- Mellbin, T. and Wahlqvist, B.: The Antibody Pattern in Representative Groups of Ethiopian Village Children 385
- Moe, P. J.: Hypopituitary Dwarfism. The Importance of Early Therapy 300
- Moshkowitz, A., Grinfeld, A., Abrahamov, A. and Nishmi, M.: An Outbreak Among Children of Aseptic Meningitis Caused by Echovirus Type 9. A Clinical and Serological Study 395
- Preece, A. W. and Joyce, M. A.: Venous Occlusion Plethysmography in Children. I. Method 12
- Preece, A. W. and Joyce, M. A.: Venous Occlusion Plethysmography in Children. II. Resting Calf Blood Flow in Healthy Children 15
- Rahimtoola, R. J., Mir, S. and Baloch, S.: Low Birth Weight, the "Small-for-Dates" Syndrome and Perinatal Mortality in a Low Family Income Group 534
- Raivio, K. O. and Teramo, K.: Blood Glucose of the Human Fetus Prior to and During Labor 512
- Raivio, K. O. and Hallman, N.: Neonatal Hypoglycemia. I. Occurrence of Hypoglycemia in Patients with Various Neonatal Disorders 517
- Reimold, E. W.: The Role of Aldosterone in Hypernatremic Dehydration in Infants 33
- Rokkones, T. and Christie Løken, A.: Congenital Renal Dysplasia, Retinal Dysplasia and Mental Retardation Associated with Hyperprolinuria and Hyper-OH-Prolinuria 225
- Räihä, N. C. R. and Suikhoen, J.: Development of Urea-Synthesizing Enzymes in Human Liver 121
- Salam, E. A. and Elyahy, W. S.: Evaluation of Prognosis and Treatment in Bell's Palsy in Children 468
- Schwartz, E. and Baehner, R. L.: Diurnal Variation of Serum Iron in Infants and Children 433
- Seip, M., Steen-Johnsen, J., Vellan, J. E. and Gjesing, L. R.: Dietary Treatment of Cystinosis 409
- Sjaastad, O. and Halvorsen, S.: Histaminuria in Hartnup Disease 289
- Ström, J.: A Comparison of the Effect and Side-Effects of Penicillin V and Ampicillin in the Treatment of Scarlet Fever 285
- Vokáč, Z. and Vávrová, V.: Development of Non-Respiratory Components of Acid-Base Equilibrium in 250 Normal Children Aged One Month to 15 Years 41
- Zaizov, R., Cohen, I. and Matoth, Y.: Thrombasthenia: A Study of Two Siblings 522
- Öckerman, P. A.: A Technique for the Enzymatic Diagnosis of Glycogen Storage Disease on Very Small Tissue Specimens 105
- Öckerman, P. A. and Köhlin, P.: Glycosidases in Skin in Hunter's Syndrome. Abnormality of a β -Galactosidase in Skin 281
- Öckerman, P. A.: Lysosomal Enzymes in Juvenile Amaurotic Idiocy 537
- Örstavik, I., Flugsrud, L. B. and Lahelle, O.: Poliovirus Antibody Status and the Response to Trivalent Oral Poliovirus Vaccine in Norwegian School Children 405

Case Reports

- Barak, Y. and Liban, E.: Hypothalamic Hyperphagia Obesity and Disturbed Behaviour in Acute Leukemia 153
- Bengtsson, E.: Eosinophilic Leukemia—An Immunopathological Reaction 245
- Bishun, N. B.: Normal/Trisomy C Mosaicism in the Mother of a "Mongoloid" Child 243
- Bjerre, I. and Corelius, E.: Benign Familial Neonatal Convulsions 557
- Blunck, W. and Bierich, J. R.: Congenital Adrenal Hyperplasia with 11-Hydroxylase Deficiency. A Case Report and Contribution to Diagnosis 153
- Broholm, K.-A., Eeg-Olofsson, O. and Hall, B.: An Inherited Chromosome Aberration in Girl with Signs of De Lange Syndrome 547
- Cocchi, P. and Olivelli, A.: Meningitis Caused by Neisseria Catarrhalis 451
- Dahl, I. L.: Thyroid Crisis in a 3-Year-Old Girl 55
- Gustavson, K.-H., Johansson, S. G. O. and Wranne, L.: Immunoglobulins in 13-15 Trisomy Syndrome Due to a Translocation 436
- Janson, E., Wallgren, G. R. and Ahvonen, P.: Yersinia Enterocolitica as a Cause of Acute Mesenteric Lymphadenitis 448
- Kulin, H. E. and Wilson, H. W.: Reversible Adrenal Unresponsiveness in a Patient with Congenital Adrenal Hyperplasia 162
- Leisti, J., Gripenberg, U., Kivalo, E., Palo, J., von Schoultz, B. and Suomalainen, E.: Two Patients with a 46, XX, Er Chromosome Constitution 441
- Manios, S. G., Schenk, W. and Künzer, W.: Congenital Fibrinogen Deficiency 145
- Nielsen, B. and Ryelund, K.: Oliguric Glomerulonephritis in an Infant of Four Months 239
- Nilson, L.-O. and Wranne, L.: A Swedish Foetal Haemoglobin Variant 454
- Rintala, A. E.: Freeman-Sheldon's Syndrome, Cranio-Carpo-Tarsal Dystrophy 553

- Swane Lund, J.: Congenital Haemangioendothelioma of the Liver 354
- Volpato, S. Vigi, V. and Cattarozzi, G.: Nonspherocytic Haemolytic Anaemia and Severe Jaundice in a Newborn with Partial Pyruvate Kinase Deficiency 59
- Zondek, L. H. and Zondek, T.: Congenital Adrenal Hypoplasia in Two Infants 250

Review Articles

- Abraham, J. M. and Russel, A.: De Lange Syndrome. A Study of Nine Examples 339
- Gamstorp, I.: Polyneuropathy in Childhood 230
- Raivio, K. O.: Neonatal Hypoglycemia. II. A Clinical Study of 44 Idiopathic Cases with Special Reference to Corticosteroid Treatment 543

Letters to the Editor

- Langgård, H., Haase, H. and Winge-Flensburg, E.: Composition of the Skin in Mucoviscidosis 255

Proceedings of Pediatric Societies

- Proceedings of the Danish Pediatric Society, Meetings Oct. 12, Nov. 11, Dec. 16, 1966, Jan. 27, Febr. 10, 1967 65
- Proceedings of the Danish Pediatric Society, Meetings March 10, April 19, June 10, June 26, 1967 167
- Proceedings of the Danish Pediatric Society, Meetings Oct. 11, Nov. 22, Dec. 12, 1967, Jan. 10, 1968 457

- Proceedings of the European Society for Pediatric Endocrinology, March 19th-24th, 1967 72
- Proceedings of the Finnish Pediatric Society, Meeting Feb. 17, 1968 270
- Proceedings of the Finnish Pediatric Society, Meetings Feb. 18, May 24, Sept. 15, Oct. 4, Oct. 28, Dec. 9, 1967 358
- Proceedings of the Scandinavian Association of Paediatric Surgeons, Meeting Sept. 29-Oct. 1, 1967 361
- Proceedings of the Swedish Pediatric Society, Meetings March 16, May 18, Sept. 10, Nov. 30, 1966, March 11, April 23, Sept. 10, Oct. 21, Dec. 1, 1967 257
- Proceedings of the Finnish Pediatric Society, Meetings Oct. 18, 1967, March 29, 1968 562

Supplements

- Andersen, Hans Jørgen: Clinical Studies on the Antibody Response to *E. Coli* O-Antigens in Infants and Children with Urinary Tract Infection, Using a Passive Haemagglutination Technique. (Supplement 180)
- Koch, Günther: Lung Function and Acid-Base Balance in the Newborn Infant. (Supplement 181)
- Westphal, Otto: Human Growth Hormone. A Methodological and Clinical Study. (Supplement 182)
- Robertson, Alex F. and Sprecher, Howard, A.: Review of Human Placental Lipid Metabolism and Transport. (Supplement 183)
- Robertson, Bengt: The Intrapulmonary Arterial Pattern in Normal Infancy and in Transposition of the Great Arteries. (Supplement 184)
- Dunn, Henry G.: The Prader-Labhart-Willi Syndrome: Review of the Literature and Report of Nine Cases. (Supplement 185)

General Index

Authors Index

Aarskog, D. and Hexeberg, A. 463
 Abraham, J. M. and Russel, A. 339
 Abrahamov, A. *et al.* 395
 van Acker, K. J. and Hooft, C. 479
 Ahvonen, P. *et al.* 448
 Andersen, V. *et al.* 110
 Anderson, H. and Gomes, P. S. 47, 294

Baehner, R. L. and Schwartz, E. 433
 Baloch, S. *et al.* 534
 Barak, Y. and Liban, E. 153
 Bengtson, E. 245
 Berg, T. 369
 Berglund, G. *et al.* 89
 Bergström, J. *et al.* 209
 Bergström, T. *et al.* 186
 von Bernuth, H. *et al.* 177
 Bierich, J. R. and Blunck, W. 157
 Bishun, N. B. 243
 Bjerre, I. and Corelius, E. 557
 Bjure, J. and Fällström, S. P. 137
 Blom, S. and Finnström, O. 377
 Blunck, W. and Bierich, J. R. 157
 Boréus, L. O. *et al.* 36
 Bratteby, L.-E. 125, 132, 215
 Bratteby, L.-E. *et al.* 305, 311
 Broberger, U. *et al.* 36
 Broholm, K.-A. *et al.* 547

Carson, N. A. J. *et al.* 401
 Cascos, S. A. 9
 Cattarozzi, G. *et al.* 59
 Chopra, J. S. *et al.* 401
 Clausen, J. and Melchior, J. C. 2
 Cocchi, P. and Olivelli, A. 451
 Cohen, I. *et al.* 522
 Corelius, E. and Bjerre, I. 557

Dahl, I. L. 55
 Dahlgvist, A. and Meeuwisse, G. W. 273
 Dano, G. 151
 Donnell, G. N. *et al.* 205

Eeg-Olofsson, O. *et al.* 547
 Ekblom, B. and Lundberg, A. 17
 Elyahky, W. S. and Salam, E. A. 468
 Enhörning, G. *et al.* 209, 330
 Ericsson, J. L. E. *et al.* 330

Fine, R. N. *et al.* 205
 Finnström, O. *et al.* 89

Finnström, O. and Blom, S. 377
 Flensburg, E. W. 225
 Flensburg, E. W. *et al.* 255
 Flugsrud, L. B. *et al.* 405
 Francis, D. E. M. and Harries, J. T. 505
 Fällström, S. P. and Bjure, J. 137
 Fällström, S. P. 321, 487

Gamstorp, I. *et al.* 115
 Gamstorp, I. 230
 Garby, L. *et al.* 305, 311
 Gelli, M. G. *et al.* 209, 330
 Gilchrist, G. S. *et al.* 205
 Gjessing, L. R. *et al.* 409
 Comes, S. P. and Anderson, H. 47, 294
 Grant, D. B. 297
 Grausz, J. P. 98
 Grinfeld, A. *et al.* 395
 Gripenberg, U. *et al.* 441
 Groth, T. *et al.* 311
 Gustavson, K.-H. *et al.* 436

Haase, H. *et al.* 255
 Hagberg, B. *et al.* 495
 Hall, B. *et al.* 547
 Hallman, N. and Raivio, K. O. 517
 Halvorsen, S. and Sjaastad, O. 289
 Harries, J. T. and Francis, D. E. M. 505
 Hexeberg, A. and Aarskog, D. 463
 Hooft, C. and van Acker, K. J. 479
 Hultman, E. *et al.* 209
 Hurwitz, L. J. *et al.* 401

Janson, E. *et al.* 448
 Johansson, S. G. O. *et al.* 89, 436

Kivalo, E. *et al.* 441
 Kjellman, B. 527
 Koch, C. *et al.* 110
 Kulin, H. E. and Wilson, H. W. 162
 Künzer, W. *et al.* 145
 Köhlin, P. and Melin, K. 24
 Köhlin, P. and Öckerman, P. A. 281

Ladehoff, A. 500
 Lahelle, O. *et al.* 405
 Langgård, H. *et al.* 255
 Launiala, K. 425
 Leisti, J. *et al.* 441
 Lenard, H.-G. *et al.* 177
 Liban, E. and Barak, Y. 153
 Lincoln K. *et al.* 186
 Lindblad, B. *et al.* 417

Lindblad, B. S. and Zetterström, R. 195
 Lindblad, B. S. *et al.* 417
 Lund, J. Swane 354
 Lundberg, A. and Ekblom, B. 17
 Lunderquist, A. *et al.* 473
 Løken, A. Christie and Rokkones, T. 225

Manios, S. G. 145
 Matoth, Y. *et al.* 522
 Meeuwisse, G. *et al.* 115
 Meeuwisse, G. and Dahlqvist, A. 273
 Melchior, J. C. and Clausen, J. 2
 Melin, K. and Köhlin, P. 24
 Mellbin, T. and Vahlquist, B. 385
 Mir, S. *et al.* 534
 Moe, P. J. 300
 Moshkowitz, A. *et al.* 395
 Möller, K. L. *et al.* 89

Nergårdh, A. *et al.* 36
 Nielsen, B. and Ryelund, K. 239
 Nilsson, L.-O. and Wranne, L. 454
 Nischmi, M. *et al.* 395
 Nommessen, N. *et al.* 473

Olin, P. *et al.* 417

Palo, J. *et al.* 441
 Prechtl, H. F. R. *et al.* 177
 Preece, A. W. and Voyce, M. A. 12, 15

Rafstedt, S. *et al.* 473
 Rahimtoola, R. J. 534
 Raivio, K. O. 540
 Raivio, K. O. and Hallman, N. 517
 Raivio, K. O. and Teramo, K. 512
 Redin, B. *et al.* 186
 Reimold, E. W. 33
 Rintala, A. E. 553
 Rokkones, T. and Løken, A. Christie 225
 Russel, A. and Abraham, J. M. 339
 Ryelund, K. and Nielsen, B. 239
 Räihä, N. C. R. and Suihkonen, J. 121

Salam, E. A. and Elyahky, W. S. 468
 Schenck, W. *et al.* 145
 Schneider, W. *et al.* 311
 von Schoultz, B. *et al.* 441
 Schwartz, E. and Baehner, R. L. 433
 Seip, M. *et al.* 409
 Sjaastad, O. and Halvorsen, S. 289
 Sourander, P. *et al.* 495
 Steen-Johnsen, J. *et al.* 409
 Ström, J. 285
 Suihkonen, J. and Räihä, N. C. R. 121
 Suomalainen, E. *et al.* 441
 Svanberg, B. *et al.* 417
 Svennerholm, L. *et al.* 495

Teramo, K. and Raivio, K. O. 512
 Tryding, N. *et al.* 115

Ulivelli, A. and Cocchi, P. 451

Wadman, B. *et al.* 305, 311
 Vahlquist, B. and Mellbin, T. 385
 Wallgren, G. R. *et al.* 448
 Vávrová, V. and Vokáč, Z. 41
 Vejlsgaard, R. *et al.* 110
 Vellan, J. E. *et al.* 409
 Vigi, V. *et al.* 59
 Wilken-Jensen, K. *et al.* 110
 Wilson, H. W. and Kulin, H. E. 162
 Winberg, J. *et al.* 186
 Vokáč, Z. and Vávrová, V. 41
 Volpato, S. *et al.* 59
 Voyce, M. A. and Preece, A. W. 12, 15
 Wranne, L. *et al.* 436
 Wranne, L. and Nilsson, L.-O. 454

Zaizow, R. *et al.* 522
 Zetterqvist, P. *et al.* 36
 Zetterström, R. and Lindblad, B. S. 195
 Zetterström, R. *et al.* 417
 Zondek, L. H. and Zondek, T. 250
 Zondek, T. and Zondek, L. H. 250

Akesson, B.-Å. *et al.* 473

Öckerman, P. A. 105, 537
 Öckerman, P. A. and Köhlin, P. 281
 Ørstavik, I. *et al.* 405

Subject Index

Acid-base equilibrium 41
 Acrodermatitis enteropathica 265
 Albumin metabolism 70, 458
 Aldosterone, role of in hypernatremic dehydration 33
 Amino acids
 cerebrospinal fluid pattern 267
 cystinosis, dietary treatment 409
 Hartnup disease, histaminuria 289
 homocystinuria, evidence of muscle lesion 401
 methylmalonic acidemia 417
 mother and child during delivery 195
 renal dysplasia 225
 Bacteriology
 listeriosis 67
 Neisseria catarrhalis, meningitis 451
 penicillins, effects and side-effects 285
 Yersinia enterocolitica, mesenteric lymphadenitis 448
 Battered child syndrome 70
 Blood
 ABO-incompatibility, carbon monoxide formation 137
 carbon monoxide elimination 321
 erythropoiesis, splenectomy 457
 fibrinogen deficiency, congenital 145
 haemoglobin, foetal 454
 haemoglobin Uppsala 454
 haemolytic anaemia, nonspherocytic 59

- haemostatic defect, glycogen storage disease 205
- indirect Coombs' test 259
- leukaemia, acute, hypothalamic symptoms 153
- leukaemia, eosinophilic 245
- red cell, survival 305, 311
- red cell volume, change during infancy 215
- red cell volume, relation to gestational age 132
- red cell volume, venous haematocrit 125
- reticuloendotheliosis, treatment with Velbe 264
- serum iron, diurnal variations 433
- serum proteins, maternal and cord blood 458
- splenectomy, erythropoiesis 457
- thrombasthenia 522
- Breast milk
 - protein and gammaglobulin 168
- Carbon monoxide, newborn infants 137, 321, 487
- Cardiovascular system
 - abnormal muscular bundle in the right ventricle 168
 - beta-receptor blockade 263
 - calf blood flow, plethysmography 15
 - cardiac insufficiency, familial 260
 - congenital heart disease, dermatoglyphs in 9
 - coronary occlusion in childhood 67
 - myocarditis, phenytoin and phenobarbital 171
 - occlusion plethysmography 12, 15
 - veno-arterial shunt, neonatal period 257
- Chromosomes
 - 46, XX, Er constitution 441
 - de Lange syndrome 547
 - Klinefelter's syndrome 258
 - normal/trisomy C mosaicism 243
 - partial trisomy syndrome 170
 - 13-15 trisomy syndrome, immunoglobulins 436
- Clinoccephaly 294
- Colostomy, children 68
- Cornelia de Lange syndrome 76, 339
- Craniosynostosis, review 47
- Cystinosis 409
- Dermatoglyphs in congenital heart disease 9
- Development
 - non-respiratory components of acid-base equilibrium 41
 - red cell volume 215
 - urea-synthesizing enzymes 121
- Diabetes mellitus
 - children of diabetic mothers 266, 460
- Diencephalic syndromes 85, 172, 261
- Dwarfism 77, 83, 300
- Endocrine organs
 - acromegalo-gigantism, juvenile 84
 - adipose tissue metabolism 80
 - adrenal hyperplasia, congenital, 11-hydroxylase deficiency 157
 - adrenal hyperplasia, congenital, hypertensive form 77
 - adrenal hyperplasia, congenital, new form 76
 - adrenal hyperplasia, congenital, reversible unresponsiveness to treatment 162
 - adrenal hyperplasia, congenital, salt losing syndrome 77
 - adrenal hypoplasia, congenital 250
 - aldosterone, role of in hypernatremic dehydration 33
 - Cornelia de Lange syndrome, endocrine studies 76
 - corticotropin secretion, circadian variation 82
 - cryptorchidism 473
 - diabetes insipidus, nephrogenic 168
 - diencephalic syndrome 85, 172, 261
 - dwarfism, diagnostic procedure 83
 - dwarfism, hypokalaemic alkalosis 77
 - dwarfism, hypopituitary, thyrotropin test 83
 - dwarfism, hypopituitary, treatment 300
 - goiter, neonatal 75
 - growth disturbances, treatment of 167
 - growth of plants, hormonal test 86
 - gynecomastia, steroid excretion 79
 - hypercalcemia, idiopathic, infantile 66
 - hypomagnesaemia, neonatal 75
 - hypoglycemia, treated with diazoxide 71
 - hypomagnesaemia, neonatal 75
 - hypothalamic symptoms, acute leukaemia 153
 - hypothyroidism, achilles tendon reflex, PBJ, cholesterol 76
 - hypothyroidism, serum-enzyme-activity 75
 - Laurence-Moon-Biedl syndrome 81
 - obesity, growth hormone, epinephrine 82
 - pituitary insufficiency, growth hormone 84
 - pituitary insufficiency, psychological correlates 84
 - pituitary lipid mobilizing factor 80
 - precocious puberty, gestagen treatment, steroid pattern 78
 - prednisolone, treatment of nephrosis, urinary metabolites 79
 - premature thelarche v. precocious puberty 78
 - progeria, endocrine abnormalities 86
 - steroid excretion, childhood 79
 - steroid synthesis, placenta and fetus 72, 73
 - steroidal rhythmicity, neonates 73
 - thyroid crisis, 3-year old child 55
 - thyrotoxicosis, neonatal 74
 - thyroxine in maternal and cord blood 74
 - tolbutamide, effect in normal and obese children 82
- Enzymes
 - galactose-1-phosphate 459
 - glycogen storage disease, diagnosis 105
 - glycosidases, Hunter's syndrome 281
 - lysosomal in juvenile amaurotic idiocy 537
 - pyruvate kinase deficiency 59
 - serum enzymes in hypothyroidism 75
 - urea-synthesizing, development of 115
- Eosinophilic leukaemia 245
- Fatal granulomatous disease 110, 268
- Fibrinolytic tissue activity 500
- Foetus
 - anoxia, myocardial ultrastructure 330
 - blood glucose 512
 - fibrinolytic tissue activity 500
 - heart under anoxia, effect of glucose infusion 209

- red cell, survival 311
- synthesis of steroids 72, 73
- urea-synthesizing enzymes 121
- Freeman-Sheldon's syndrome 553
- Fructose intolerance 24
- Galactosaemia 459
- Gastrointestinal tract
 - coeliac disease, incidence in Sweden 260
 - disaccharide malabsorption 425
 - E. coli* enteritis, treatment with nalidixide acid 168
 - glucose-galactose malabsorption 273
 - Hirschsprung's disease, sympathetic innervation 365
 - intussusception, difficulty of diagnosis 261
 - intussusception, perforation after radiographic reduction 71
 - mechanism of diarrhoea 425
 - mesenteric lymphadenitis, *Yersinia enterocolitica* 448
 - monosaccharide intolerance, temporary 505
 - oesophageal anastomosis, experimental studies 366
 - oesophageal pseudodiverticula 365
 - pyloric stenosis, surgical treatment 365
 - ventral hernias, Langenskiöld's operation for 365
- Glycogen storage disease 81, 105, 205, 461
- Growth
 - actinomycin D, growing bones 463
 - disturbances of, treatment 167
 - hormonal test 86
- Hartnup disease 289
- Homocystinuria 401
- Hunter's syndrome 281
- Immunology
 - ABO-incompatibility, carbon monoxide formation 137
 - antibody pattern, Ethiopian children 385
 - eosinophilic leukaemia 245
 - immunoglobulin levels in infants 369
 - immunoglobulins in 13-15 trisomy syndrome 436
 - immunoglobulins, Wiskott-Aldrich syndrome 89
 - inactivation of reagenic antibodies 266
 - poliovirus antibodies 405
- Infections
 - echovirus type 9, aseptic meningitis 395
 - E. coli* enteritis 168
 - E. coli* meningitis 268
 - fatal granulomatous disease 110, 268
 - mesenteric lymphadenitis, *Yersinia enterocolitica* 448
 - Neisseria catarrhalis*, meningitis 451
 - scarlet fever, treatment with penicillins 285
 - urinary tract, long-term treatment 186
- Jaundice
 - haemolytic anaemia 59
 - hyperbilirubinaemia, screening method for 267
- Laurence-Moon-Bardet-Biedl syndrome 81
- Liver
 - glycogen disease 81
- Malformations
 - abnormal muscular bundle in right ventricle 168
 - atresia of the oesophagus 65
 - cleft-palate, feeding of infants 169
 - congenital heart disease, dermatoglyphs in 9
 - craniosynostosis, review, surgical treatment 47, 249
 - Freeman-Sheldon's syndrome 553
 - Pierre Robin's syndrome 169
 - renal dysplasia 225
- Meningitis
 - echovirus type 9, 395
 - Neisseria catarrhalis* 451
- Metabolism
 - acid-base equilibrium, non-respiratory components 41
 - adipose tissue, hormonal aspects 80
 - albumin metabolism 70
 - blood glucose, human foetus 512
 - fructose intolerance, hereditary 24
 - galactosaemia 459
 - glucose tolerance, newborn of diabetic mothers 460
 - glycogen content, foetal heart under anoxia 209
 - glycogen diasease 81
 - hypernatremic dehydration, aldosterone 33
 - hypoglycemia, neonatal 543
 - ion changes, musculature, haemorrhagic bleeding 264
 - insulin levels, serum, glucose tolerance test 297
 - metabolic rate, newborns, environmental temperature changes 98
 - methylmalonic acidemia 417
 - newborn of diabetic mothers 80
 - polyunsaturated fat metabolism, encephalopathy 495
 - protein metabolism, nephrotic syndrome 458
 - tryptophan load test 115
- Metachromatic leucodystrophy
 - dietary treatment of 2
- Methodology
 - echo-encephalography 167
 - echo-ventriculography 259
 - enzymatic diagnosis, small tissue specimens, glycogen storage disease 105
 - pletysmography 12
 - radiospirometry with ¹³³Xe 527
 - renography 267
- Methylmalonic acidemia 417
- Mucoviscidosis
 - composition of skin 255
 - treatment with N-acetylcysteine 265
- Nephrology
 - acute glomerulonephritis, infant 4 months 65, 239
 - diabetes insipidus, nephrogenic 168
 - Goodpasture's syndrome 171
 - hydronephrosis, function in 363
 - nephrotic syndrome, hormone treatment 479
 - nephrotic syndrome, protein metabolism 458
 - renal dysplasia, congenital, aminoaciduria 225
 - renal dysplasia, function 363
 - ureteric duplication, treatment 364
 - urinary tract infections, long term treatment 186
 - vesico-ureteral reflux, nonobstructive, prognosis 364

Nervous system

- adolescents with motor handicaps, physical training of 17
- Bell's palsy 468
- cerebellar ataxia, herpes simplex infection 151
- convulsions, neonatal, benign and familial 557
- echo-encephalography 167
- electromyography in homocystinuria 401
- encephalopathy, late infantile, progressive 495
- intracranial pressure, nalidixan 263
- irregular medication in epilepsy 262
- motor conduction velocities 377
- Pelizaeus-Merzbacher's syndrome 171
- polyneuropathy 230
- reflexes in the newborn 177

Newborn infants

- adipose tissue metabolism 80
- amino acids in plasma 195
- carbon monoxide formation 137, 321, 487
- carbon monoxide, pulmonary elimination 321
- convulsions, benign and familial 557
- E. coli meningitis 268
- environmental temperature changes 98
- fibrinolytic tissue activity 500
- fractionated serum protein determinations 458
- glucose tolerance 460
- goiter 75
- hypoglycemia 517, 543
- hypomagnesaemia and hypocalcaemia 75
- immunoglobulin levels 369
- lipid metabolism, newborns of diabetic mothers 80
- low birth weight, "small for dates" 534
- motor conduction velocities 377
- oesophagus, pseudodiverticula 365
- perinatal studies 260
- red cell volume 132
- reflexes and behavioural state 177
- RNA synthesis, liver, adrenal cortex 73
- steroidal rhythmicity 73
- thyrotoxicosis 74
- thyroxine in cord blood 74
- veno-arterial shunt 257, 258

Nutrition

- hospital meals 258

Phenytoin, effect on tryptophan load test 115

Pheochromocytoma 36

Physical training 17

Pierre Robin's syndrome 169

Poisoning

- salicylic acid 68
- Polyneuropathy, review 230

Respiratory tract

- mechanisms of breathing 265
- regional lungfunction 527
- Reticuloendotheliosis, treatment with Velbe 264

Social paediatrics

- battered child syndrome 70
- Ethiopian children, antibody pattern 385
- irregular medication in epilepsy 262
- motor handicaps, adolescents, physical training 17
- perinatal mortality, low income group 534
- visiting hours in a childrens department 69

Surgery

- colostomy, review 68
- craniosynostosis, treatment 47, 294
- intussusception, difficulty of diagnosis 261
- proceedings of Scandinavian association of pediatric surgeons 361-366

Tumors

- adrenocortical sarcoma 363
- Burkitt's lymphoma 362
- haemangioendotheliosarcoma 354
- malignant melanoma 362
- malignant pheochromocytoma, treatment of 36
- malignant tumors 361
- ovarian tumors 361
- testicular tumors 362
- treatment 270
- Wilm's tumor, treatment 361

Vaccination

- oral poliovirus vaccine 405
- Wiskott-Aldrich syndrome 89, 257

Vitamins

- vitamin A, treatment of metachromatic leucodystrophy 2

Virology

- herpes simplex infektion, cerebellar ataxia 151
- rubella, immunity 262

